
NEWS LETTER OF THE SOCIETY OF AMERICAN BACTERIOLOGISTS

Office of the Secretary-Treasurer

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Volume IX, Number 4

1943 OFFICERS AND COUNCILORS

President: Rebecca C. Lancefield, Rockefeller Institute, New York, N. Y.
Past President: S. A. Waksman, Agr. Experiment Station, New Brunswick, N. J.
Vice President: I. L. Baldwin, University of Wisconsin, Madison, Wisconsin
Secretary-Treasurer: W. C. Frazier, University of Wisconsin, Madison, Wisconsin
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C. H. Werlman, Iowa State College, Ames, Iowa
Martin Frobisher, Jr., Johns Hopkins Univ., Baltimore, Md.
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Councilors Elected by Local Branches:
R. H. Vaughn, Berkeley, Calif.--Northern California-Hawaiian
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George Valley, New Haven, Connecticut--Connecticut Valley
M. L. Laing, Chicago, Illinois--Illinois
P. A. Tetrault, West Lafayette, Indiana--Indiana
Morris Scherago, Lexington, Kentucky--Kentucky
C. A. Perry, Baltimore, Maryland--Maryland
W. L. Mallmann, East Lansing, Michigan--Michigan
L. R. Jones, St. Louis, Missouri--Eastern Missouri
C. E. Georgi, Lincoln, Nebraska--Missouri Valley
F. H. Johnson, Princeton, New Jersey--New Jersey
Dorothy Pease, Brooklyn, New York--New York City
W. A. Hagan, Ithaca, New York--Central New York
A. B. Wadsworth, Albany, New York--Eastern New York
W. M. Hale, Iowa City, Iowa--North Central
G. L. Stahly, Columbus, Ohio--Ohio
H. E. Morton, Philadelphia, Pa.--Eastern Pennsylvania
O. B. Williams, Austin, Texas--Texas
Sara E. Branham, Bethesda, Maryland--Washington

Invited Members by Council Action of 1938:

Barnett Cohen, Editor-in-Chief, BACTERIOLOGICAL REVIEWS
A. P. Hitchens, Editor-in-Chief, Section C, BIOLOGICAL ABSTRACTS
L. S. McClung, Program Committee Chairman
C. E. A. Winslow, Editor-in-Chief, JOURNAL OF BACTERIOLOGY

1944 DUES AND BALLOTS

The 1944 statements for payment of dues together with the ballots for 1944 officers are being sent to you by first-class mail during this month of October. Your prompt payment of dues will be appreciated by this office and by the publishers of the Journals.

NOMINATIONS FOR 1944 OFFICERS

The Nominating Committee, consisting of Dr. L. A. Rogers, Chairman; Dr. L. D. Felton, Professor E. G. Hastings, Dr. Nicholas Kopeloff, Dr. G. B. Reed, submits the following candidates for 1944 officers of the Society:

President:	I. L. Baldwin
Vice President: (1 to be elected)	Barnett Cohen Stuart Mudd
Secretary-Treasurer:	W. C. Frazier
Councilors-at-Large: (2 to be elected)	L. D. Bushnell B. W. Hammer N. P. Hudson L. S. McClung

A brief sketch of each candidate appears below:

Ira Lawrence Baldwin, University of Wisconsin, Madison, Wisconsin. Bacteriology. Oxford, Indiana, August 20, 1895. B.S.A, Purdue, 19, M.S.A, 21; Ph.D, Wisconsin, 26. Instr. bacter, Purdue, 19-24, asst. prof, 24-25, assoc. physiol, Exp. Sta, 26; asst. prof. agr. bacter, Wisconsin, 27-29, assoc. prof, 29-32, prof. and asst. dean col. agr, 32-41, prof. and head dept, 41- A.A; Soc. Bact. (sec'y-treas, 35-41); Soc. Agron; Wis. Acad; Ind. Acad. General, fermentation and soil bacteriology.

Barnett Cohen, Johns Hopkins University School of Medicine, Baltimore, Maryland. Biochemistry, Bacteriology. Russia, February 16, 1891. B.S, Col. City of N.Y, 11; M.S, C.P.H, Yale, 18, Ph.D, 21. Chemist and bacteriologist, Meriden, Conn, 12; Savannah, Ga, 15-16; asst. biochem. and pub. health, Yale, 17-20; chemist, hygienic lab, U.S. Pub. Health Service, 20-28; assoc. prof. physiol. chem, sch. med, Hopkins, Research Chemist, U.S.A, 18-19. A.A; Chem. Soc, Soc. Biol. Chem; Soc. Exp. Biol; Soc. Bact. (archivist and ed, 'Bact. Reviews'); fel. Pub. Health Asn; Optical Soc; Hist. Sci. Soc. Biological oxidation-reductions; acid-base and oxidation-reduction indicators; vitamins; bacterial hemolysins.

Stuart Mudd, Millbrook Lane, Haverford, Pennsylvania. Pathology, Medicine. St. Louis, Missouri, September 23, 1893. B.S, Princeton, 16; A.M, Washington (St. Louis), 18; M.D, Harvard, 20. Research fellow, Harvard, 20-23; assoc, Rockefeller Inst, 23-25; assoc. path, Henry Phipps Inst, and asst. prof. exp. path, sch. med. Pennsylvania, 25-31, assoc. prof. bacter, 31-34, prof, 34- A.A; Am. Med. Asn; Physiol. Soc; Asn. Path. and Bact; Soc. Bact; Asn. Immunol; Soc. Exp. Path; Soc. Exp. Biol; Harvey Soc. Effects of chilling the body surface; bacterial filtration; electroendomosis; surface composition of normal and sensitized cells; phagocytosis; hemolytic streptococci; electron micrography.

William Carroll Frazier, University of Wisconsin, Madison, Wisconsin. Bacteriology. Madison, Wisconsin, September 26, 1895. B.S, Wisconsin, 17, Ph.D, 24. Instr, Wisconsin, 19-24; assoc. bacteriologist and senior bacteriologist, bur. dairy indust, U.S. Dept. Agr, 24-34; prof. agr. bacter, Wisconsin, 34- Soc. Bact. (councilor, 38-40, pres, n. cent. branch, 37, sec.-treas. 43-); Dairy Sci. Asn; Wash. Acad. Dairy and food bacteriology; proteolytic bacteria of milk; bacteriology of milk and cheese; food spoilage and preservation; yeasts; fermentations.

Leland David Bushnell, Kansas State College, Manhattan, Kansas. Bacteriology. Bronson, Michigan, October 19, 1880. B.S. Mich. State Col, 05; M.S, Kansas, 15; George Cheyne Shattuck fellow, Harvard, 15-16, Ph.D, 21. Asst. bacter, Mich. State Col, 05-07; dairy bacter, bur. animal indust, U.S. Dept. Agr, 07-08; asst. bacter, Kans. State Col, 08-09, instr, 09-10, asst. prof, 10-12, prof. and head dept. and bacteriologist, Exp. Sta, 12- A.A; Soc. Bact; Kans. Acad. Bacteriology of cheese ripening, eggs, silage fermentation and canned foods; anaerobic bacteria; high vacuum and the growth of bacteria; pathogens of domesticated birds.

Bernard Wernick Hammer, Golden State Company, Inc., San Francisco, California. Bacteriology. Hillsboro, Wisconsin, October 7, 1886. B.S.A, Wisconsin, 08; Ph.D, Chicago, 20. Asst. agr. bacter, Wisconsin, 08-09, bacteriologist, hygiene lab, 09-11; prof. dairy bacter, Iowa State Col, and chief dairy bacter, Exp. Sta, 11-43; labs, Golden State Co, 43- Soc. Bact; Pub. Health Asn; Soc. Exp. Biol; Dairy Sci. Asn. Chemistry; dairy bacteriology; classification of organisms found in dairy products.

Noel Paul Hudson, Ohio State University, Columbus, Ohio. Bacteriology, Hygiene. Lincoln, Illinois, January 9, 1895. A.B, James Millikin, 17; Ph.D, Chicago, 23; M.D, Harvard, 25. Instr. bacter. and hygiene, Chicago, 22-24; asst. path, Boston City Hosp, 25-27; field director, int. health div, Rockefeller Foundation, 27-30; prof. bacter. and hygiene, Chicago, 30-35; prof. bacter. and chairman dept, Ohio State, 35- W. African yellow fever cmn, int. health div, Rockefeller Foundation, Nigeria, 27-29. A.A; Soc. Bact; Asn. Path. and Bact; Soc. Trop. Med. (sec'y-treas, 36-38, councilor, 38-); Soc. Exp. Biol; Pub. Health Asn; Royal Soc. Trop. Med. and Hygiene. Pathogenic bacteriology; immunology and viruses; yellow fever; poliomyelitis; vaccinia; herpes simplex; susceptibility of mammalian fetuses to infectious agents.

Leland Swint McClung, Indiana University, Bloomington, Indiana. Bacteriology. Atlanta, Texas, August 4, 1910. A.B, Texas, 31, A.M, 32; fellow; Wisconsin, 32-34, Ph.D, 34. Nat. research fellow biol. sciences, Wisconsin, 34; research bacteriologist, research div, Am. Can Co, 34-36; instr. fruit products and junior bacteriologist, col. agr. California, 36-37, research med, Hooper foundation, med. sch, 37-39; Guggenheim fellowship, 39-40; assoc. prof. bacter, 40- A.A; Soc. Bact; Pub. Health Assn. Food bacteriology; clostridium; thermophilic bacteria; the immune reactions; thermal death time.

COUNCIL MAIL VOTES

A poll of the Council was taken on August 14 to determine whether it would meet September 14 in Syracuse, New York; however, not enough Councilors to make a quorum signified that they would attend. The meeting, therefore, was cancelled.

On September 15 a poll was again taken with the idea that the Council would meet at the American Public Health Association meeting in New York City on October 12-14 of this year, and again a quorum was not obtained. The Council voted at this time to hold the next annual meeting of the Society in May of 1944; to hold this meeting in New York City; to approve the appointment by President Lancefield of Dr. L. S. McClung, now Vice Chairman of the Program Committee, to act as Program Chairman until Dr. N. P. Hudson can resume his duties after the emergency; and to approve the list of names at the end of this News Letter for active membership in the Society.

APPOINTMENT BY THE PRESIDENT

President Lancefield has appointed Dr. R. L. Thompson to represent the Society at the one hundredth anniversary of the School of Medicine of Western Reserve University to be held at Cleveland, Ohio, on October 27.

PLANS FOR PROGRAM OF 1944 MEETING

"A scientific program is planned as usual for the next meeting of the Society, but entertainment probably will be curtailed. In addition to the reports on research from the members, it is hoped that at least one session may be devoted to longer discussions of topics of general interest. The War Committee on Bacteriology has promised a report on the progress of activities, and material from the Committee on Materials for Visual Instruction in Microbiology will be presented. Various symposia, round tables and other features are being planned. The Committee will welcome

suggestions from the membership concerning the program. Abstracts for papers must be submitted, as usual, 60 days in advance of the meeting. An announcement of the exact deadline date will appear as soon as a decision is reached regarding certain other details of the meeting."--L. S. McClung, Program Chairman, Indiana University, 302 Chemistry Building, Bloomington, Indiana

LOCAL BRANCH NEWS
(Notes from the Secretaries)

Missouri Valley Branch: "The annual meeting of the Branch was held at the Wareham Hotel, Manhattan, Kansas, on May 4 and 5. The following officers were elected: Dr. J. R. Wells, President; Dr. N. P. Sherwood, Vice President; Dr. C. A. Hunter, Secretary, Treasurer; Dr. C. E. Georgi, Councilor. The program follows:

'Growth curves of azotobacter', P. L. Gainey.

'A study of the influence of the growth energy source on the respiration of azotobacter', J. O. Harris.

'Further studies on serology in syphilis - A comparison of the reagin content with the spirocheticidal capacity of serum from normal and infected rabbits', N. P. Sherwood, W. A. Tanner, and Carolyn Collins.

'The clinical aspects of syphilis', R. M. Sorenson.

Presidential address - 'Contributions of the chemist to the field of microbiology', C. E. Georgi.

'Further studies on the effect of the medium on the apparent survival of heat-treated bacteria', F. E. Nelson.

'The occurrence of natural antibodies against several yeast-like fungi', C. H. Drake.

'The Newton epidemic', C. A. Hunter, Flora Acton, and Harle Barrett.

'Bacteriology of eggs', V. D. Foltz.

'The inhibitory effect of chlormercuri carvacrol on the growth of pathogenic fungi', C. E. Georgi."--C. A. Hunter

New Jersey Branch: "At a recent election the following officers of the Theobald Smith Society were elected for the forthcoming year: President, J. A. Anderson; Vice President, F. O. Holmes; Secretary-Treasurer, F. H. Johnson; Councilor, F. H. Johnson; Alternate, T. J. Murray."--F. H. Johnson

Texas Branch: "The Branch held its Spring Meeting on May 8 at the Hotel Stoneleigh, Dallas, with approximately 60 persons attending. The day's meeting included a showing of a film on 'The Spirochetes', the presentation of 6 papers, a banquet, and a lecture by Dr. S. E. Sulkin on the subject, 'The Laboratory in the Diagnosis of Virus Diseases'.

"At the banquet Dr. O. B. Williams paid tribute to the memory of the late Dr. I. M. Lewis, founder and first president of the Texas Branch.

"Officers elected are as follows: Dr. S. W. Bohls, president; Dr. O. B. Williams, vice-president; Dr. Gordon Worley, secretary; and Mrs. E. B. M. Cook, treasurer. The scientific program follows:--

'Protective effect of separate inoculation of spotted fever virus and immune serum by the intradermal route', Ludwik Anigstein, M.N. Bader, and Gerald Young.

'Field and laboratory studies of poliomyelitis in Texas', J. V. Irons, and S. W. Bohls.

'Variation of Brucella spp. with reference to the bacteriostatic action of dyes', Gordon Worley, Jr. and Jane Reed Worley.

'Preliminary observation of growth of selected strains of Brucella in a mineral base medium', V. T. Schuhardt and Grace A. Beal.

'A survey of Trypanosoma cruzi infection in Triatoma spp. collected in Texas', Thelma De Shazo.

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'Recent observations on relapsing fever', D. V. Moore and D. C. Thurman, Jr.

BOOK REVIEWS

ADVANCES IN ENZYMOLOGY AND RELATED SUBJECTS OF BIOCHEMISTRY. Volume III. F. F. Nord and C. H. Werkman. Interscience Publishers, Inc., New York (1943) 408 pages \$5.50

"When volume I of this series appeared in 1941, bacteriologists and biochemists were indebted to the editors not only for the rescue of a most valuable year book that had been threatened with becoming a war casualty but also because it achieved a new high for this type of publication. The highest praise that can be accorded the present volume is that it is a worthy successor of its illustrious predecessor. It is a tribute to both editors Nord and Werkman as well as their collaborators that they have maintained the high standards of volume I at a period when interests and energies are focussed on more immediate needs than the subject matter of most of the articles.

"To single out individual contributions for special mention is perhaps more revealing of the reviewer's bias than anything else. With this qualification in mind, particular attention is directed to the following: For the bacteriologist interested in metabolism, two highly contrasting and yet supplementary contributions are available. E. S. G. Barron discusses the comparative carbohydrate metabolism of different types of cells and concludes, 'As living cells march forward in their evolutionary process, their energy-producing mechanisms become more and more reversible', a point of view documented by a highly provocative interpretation of the biochemistry of carbohydrate oxidation by different tissues. H. A. Krebs discusses the intermediate metabolism of biological carbohydrate oxidation with primary attention to the so-called 'citric acid' cycle. The article is extremely well written and is certainly one of the best presentations of this highly important interpretation of carbohydrate oxidation which has appeared. His opponents may protest that many of their arguments are met only by referring to unpublished materials from Krebs' laboratory, but it would be unfair and unfortunate to restrict him to information already in published form. The validity of his interpretations must wait until the detailed experiments are available to others.

"For the bacteriologist interested in growth factors, two important and authoritative reviews are provided. R. J. Williams discusses the biochemistry and chemistry of pantothenic acid; although this contains little directly concerned with microorganisms, his excellent summary of proof of structure and synthesis of pantothenic acid together with recent results concerned with physiological functioning will be welcomed by all workers in the field of vitamins and growth factors. A similar article on biotin by Klaus Hofmann is rightly more chemistry than biochemistry since the most important development during the past year connected with this vitamin was its synthesis by the group with which Hofmann was associated. The account of the research is well organized and should be of special value to those of us whose deficiencies in organic chemistry have discouraged close reading of the original articles describing this significant biological triumph.

"One of the features of these reviews of the enzyme field has been the editors' decision to include a few articles in which the emphasis is on application of knowledge gained in enzyme research to a specific problem, rather than accounts of the gathering of the knowledge. This volume presents two examples: 'Recent Progress in Tumor Enzymology' by J. P. Greenstein, and 'Microorganisms and Enzymes in Wine Making' by W. V. Cruess. Both provide a most potent argument against criticisms of the editorial practice to which some object on the grounds that such writings do not deal with true advances in enzymology. The bacteriologist who teaches will find the article by Cruess especially useful not alone for its information but likewise for its excellent illustrations.

"The remaining articles are in specialized fields and will be of major interest to a smaller group of workers, although their general appeal is by no means lacking. These include: 'Chromosomes and Nucleoproteins' by A. E. Mirsky, 'X-Rays and the

Stoichiometry of Proteins', W. T. Asbury; 'Chemistry of Glycogen', K. H. Meyer; 'Verdoperoxidase', Kjell Agner; and 'Effects of Temperature on Chemical Kinetics', I. W. Sizer. The reviewer is qualified to speak only on the last named one. Dr. Sizer in discussing some physico-chemical aspects of enzyme reactions has furnished a remarkably fine example of presenting somewhat difficult material so that even the non-specialist can gain a rather definite idea about what might appear to be very esoteric stuff."--P. W. Wilson

ANNUAL REVIEW OF BIOCHEMISTRY. Volume XI. J. M. Luck and J. H. C. Smith. Annual Reviews, Inc., Stanford University (1942) 736 pages. \$5.00

"The 1942 edition of 'The Annual Review of Biochemistry' contains several chapters which in whole or part should be of interest to the bacteriologist. It is encouraging to observe that more of the authors are trying to avoid a mere recital of results obtained by various workers and are attempting to analyze the results and interpret their significance for the less well-informed reader. The chapter on 'Microbiology' by R. J. Dubos is a case in point. Dr. Dubos has limited himself to a discussion of bacteriostatic and bactericidal substances, including enough explanatory material to make a readable and informative review. The author takes up the sulfa-drugs, wetting agents, and such products of microbial origin as penicillin, tyrocidine, gramicidin and pyocyanine.

"The usual chapter on microbiological chemistry is omitted and its contents are scattered through several reviews. 'Oxidations and Reductions' by E. G. Ball presents an interesting and critical discussion of cell reactions with sufficient explanation to make this complex subject more understandable. The chapters on 'Carbohydrate Metabolism' by Somogyi, 'Chemistry and Metabolism of the Compounds of Phosphorus' by Sowden and Fisher, and 'Hydrolytic Enzymes' by Glick also contain material that is of importance to the bacterial chemist. An interesting and descriptive chapter on 'The Chemistry of Muscle' by G. A. Millikan should prove worth while to anyone interested in similar bacterial reactions. For those who are conversant with both protein chemistry and immunology, there is 'Immunochemistry' by J. R. Marrack to bring them up to date."--R. W. Stone

INSTRUCTIONS IN LABORATORY WORK IN BACTERIOLOGY. Department of Bacteriology, University of California Medical School, San Francisco. Second Edition. J. W. Stacey, Inc., San Francisco (1941) 178 pages.

"This admirable laboratory manual is especially to be recommended to those who wish practical aid in studying the parasites of man, whether bacteria, viruses, fungi, rickettsia, protozoa or helminths. The wide range of subject matter merits high commendation as so frequently nowadays one finds important groups such as fungi or helminths omitted from textbooks. The arrangement by subject makes the book available for most student groups that need bacteriology. Clinical and public health applications are stressed and a series of pertinent questions will prick the minds of the thoughtless."--P. F. Clark

VIRUS DISEASES. T. M. Rivers and Others. Cornell University Press, Ithaca (1943) 170 pages. \$2.00

"'Virus Diseases', by members of the Rockefeller Institute for Medical Research, is a most pertinent volume in view of the current rapid development of the field of filterable viruses. This series of special articles presents a concise survey of our knowledge of viruses, utilizing as typical examples some of the more important virus diseases. Each lecture, complete in itself, brings up to date the facts, the techniques, and the new ideas related to the particular subject discussed.

"Rivers' lecture, 'Virus Diseases with Particular Reference to Vaccinia', offers an excellent, conservative picture of the properties of viruses and the nature of virus diseases. With regard to the vaccinia virus, on which Rivers has done much painstaking work, material is presented on antigenic structure, chemical nature, physical properties, and physical structure.

"In 'Chemical Structure and the Mutation of Viruses', Stanley includes information to show that various strains of mosaic virus can be chemically altered in a manner similar to that in which protein molecules may be altered, without being inactivated, but that upon inoculation and reproduction in susceptible host cells, the viruses again appear in their original chemical form. His interpretation of chemical studies indicates that variants and mutants of the mosaic virus are associated with alteration in the amino-acid content, qualitatively and also quantitatively.

"In 'New Hosts as a Key to Progress in Plant Virus Research', Kunkel demonstrates by well-selected examples how the progress of research on plant viruses may be increased many fold by the investigation of new and unusual hosts for experimental infections. Finding a new experimental host may even be responsible for the original proof that a plant disease is truly infectious.

"Under the topic of 'Swine Influenza', Shope describes his remarkable researches in demonstrating the complex life history of the swine influenza virus--its passage from hogs to lungworms and thence, in an inactive stage, to earthworms, which carry the disease back to swine, in which an active infection occurs only under certain conditions of provocation.

"An excellent review, 'Human Influenza', is given by Horsfall, who describes various aspects of the influenza problem and discusses critically efforts to produce immunization against this virus disease.

"Most provoking of interest is the lecture on 'Viruses and Tumors' by Rous. In his presentation of the factual material now accumulated on the relationship of viruses to tumors, Rous discusses the meaning of various sets of accumulated data in a conservative and judicious manner, although it is obvious that he has become convinced that the virus aspect of tumors holds great promise for further investigation. He views the activity of viruses in relation to neoplastic growth as 'provocative, determining, or actuating'. In the last instance he considers a virus the real causative agent.

"The various authors regard certain fundamental aspects of virus diseases in somewhat different manners, and their views presented so closely juxtaposed give one an adequate appreciation of the present status of rapid developments in the virus field."--R. G. Green

VIRUSES AND VIRUS DISEASES. T. M. Rivers. Stanford University Press, Stanford University (1939) 133 pages. \$2.50

"The Lane Medical Lectures, beginning in 1896, constitute a series of 27 valuable contributions to various fields of medicine. The list of contributors contains the names of many distinguished authorities; of particular interest to microbiologists are such names as Welch, Manson, Flexner, Aschoff, and d'Herelle.

"'Viruses and Virus Diseases', as the topic of the current course of lectures, is a subject of increasing interest and importance. Each year brings much advance in knowledge concerning the diseases of this group among which are many of the most important infections of men and animals. In selecting Dr. Thomas M. Rivers to deliver these lectures, a pre-eminent authority in this field was chosen. Doctor Rivers' long association with the study of viruses gives him a perspective and grasp of the subject attained by few other students of this group of disease agents.

"The first lecture deals with a relatively new virus, that of lymphocytic choriomeningitis. The manifestations of this virus infection in man are described and the story is told of the isolation of the virus from man, and its identification. In recounting this study Doctor Rivers provides a pattern for the investigation of disease agents of similar nature. His methods need only translation to the abstract to form a valuable guide for anyone faced with a similar problem.

"The next two lectures treat viruses as biological entities describing in turn the varied pathological changes produced by these agents, and their immunological phenomena including the serological methods applicable to their study. Of particular interest is the discussion in Lecture 4 on the nature of viruses as revealed by physical, chemical, and biological studies. It is customary to speak of 'the viruses'

almost as one speaks of 'the cocci', implying a taxonomical unit and in turn a group of agents homogeneous in the biological sense. The author stresses the important point 'that some of the viruses may be minute, highly parasitic microorganisms, the midgets of the microbial world, capable of reproduction only within susceptible host cells; that others may represent forms of life more or less unfamiliar to us; and that still others may be fabrications of their host cells aided by the processes of autocatalysis.'

"The final lecture deals mainly with the problems of immunization against virus diseases, and their serum treatment.

"There is an index of authors and subjects, and a generous list of references at the end of each chapter. There are numerous charts and tables and an ample number of illustrations of the gross and microscopic lesions due to various viruses. These are reproduced by offset lithography which unfortunately cannot achieve the definiteness of detail of the ordinary halftone engraving, especially desirable in illustrations of this kind. The use of an enamelled paper for the pages containing illustrations would possibly have made up this deficiency in part. The paper used was well chosen for the text pages; it is of a pleasing texture and restful to the eyes.

"Any book treating a subject undergoing as active investigation as that of the virus infections cannot be entirely up-to-date even at the time of its printing. Although many facts concerning viruses have been discovered since this volume went to press, it will serve for many years as a mile-post in our acquisition of knowledge in this field, as a valuable introduction to the study of these agents, and as a worthy guide to further investigations."--F. B. Gordon

NEWS ABOUT OUR MEMBERS

Dr. O. N. Allen, Professor of Bacteriology and a former chairman of the Department of Botany of the University of Hawaii, has recently been named Chairman of the newly established Department of Bacteriology.

Dr. Lois Almon, formerly at the State Laboratory of Hygiene, University of Wisconsin, Madison, is now at the State Laboratory in Rhinelander, Wisconsin.

Drs. J. M. Birkeland and G. L. Stahly are among those contributing to the study of germicides and bactericides at Ohio State University. This study was made possible through a grant from the William S. Merrell Company, a sustaining member of the Society.

Mr. Morton C. Creditor, of Brooklyn, New York, has changed his position to that of research bacteriologist for the Lederle Laboratories in Pearl River, New York.

Lt. Joseph N. Cutler, Sn.C., is now at the 74th General Hospital, Fort Jackson, South Carolina. He was research bacteriologist at the Medical Research Laboratories, Philadelphia.

Dr. B. M. Duggar, of the University of Wisconsin, was elected to serve as Vice President of the American Society of Naturalists, and Dr. S. A. Koser of the University of Chicago was elected a member of this Society.

Lt. Francis H. Dunne, of Palo Alto, California, is now at the Station Hospital, Fort Sill, Oklahoma.

Dr. E. B. Fred, for thirty years a member of the Department of Agricultural Bacteriology of the University of Wisconsin, Madison, and for the past nine years Dean of the Graduate School, has been appointed Dean of the College of Agriculture.

Dr. Carl E. Georgi was elected to the vice-presidency of the Nebraska Academy of Science.

Dr. Carroll W. Grant, Brooklyn College, is now a Lt. in the U.S. Naval Reserve and stationed at Rockville, Maryland.

Miss Frances A. Hallman, of New York City, is a Lt. (jg) W-V(S)USNR at the U.S. Naval Hospital, Jacksonville, Florida.

Dr. Preston E. Harrison, formerly at the Department of Bacteriology of the University of Chicago has accepted a position in the Department of Bacteriology, College of Medicine, Baylor University College of Medicine, Houston, Texas.

Miss Mary E. Heatherman, of the University of Minnesota, has left for training with the W.A.V.E.S.

Dr. Herbert Jaffe, teaching fellow at the Massachusetts Institute of Technology, left to enter the Army of the United States on August 16.

Ensign K. Richard Johansson, a former graduate student at the University of Wisconsin, is in Vallejo, California, awaiting transfer.

Pvt. Harold P. Klein is at Camp Grant, Illinois, waiting to be assigned to a permanent station. He was bacteriologist at Camp Evans Signal Laboratories, Belmar, New Jersey.

Mr. E. G. Laughery resigned as bacteriologist at the Corn Products Refining Company, Argo, Illinois, to become associated with the Research Department of the Pabst Brewing Company, Milwaukee.

Mr. Keith H. Lewis, of the University of Nebraska Department of Bacteriology, is a Lieutenant in the Chemical Warfare Service, and is stationed at Camp Detrick, Md.

Lt. E. V. Lipscomb has been transferred from the Station Hospital at Camp Stewart, Georgia, to M.D.R.P., LaGarde General Hospital, New Orleans, Louisiana.

Dr. Perrin H. Long, Professor of Preventive Medicine at Johns Hopkins University School of Medicine, is now a Lt. Col. serving as Medical Director in the North African war theater.

Mr. Richard H. McBee was commissioned a Lieutenant in the Sanitary Corps and is now at the Station Hospital, Camp Croft, South Carolina.

Mr. C. S. McClesky, of Pineville, Louisiana, is now a Major at Fort Sam Houston, Texas, Assistant G-3, Headquarters Third Army.

Mr. Sumner M. Morrison, formerly graduate assistant in the Biology Department of Purdue University is now working for the Upjohn Company in the Penicillin Production Department.

Dr. C. S. Mudge is spending his sabbatical leave from the University of California, Davis, investigating special problems in marine microbiology at La Jolla, California.

Pfc. Seymour M. Purzytsky, ASTU, has had his name changed to Seymour M. Perry. He is at the University of Southern California, Los Angeles.

Dr. Clara Raven, of the Department of Bacteriology, Scranton State Hospital, Pennsylvania, entered the service of the Army of the United States as a Captain in the Medical Corps and is now at the Newton D. Baker Hospital, Martinsburg, W. Va.

The establishment of Leo F. Rettger Fellowships in the Yale Graduate School has been announced. The fellowships were founded by Dr. Leo F. Rettger, professor emeritus of bacteriology, who retired in June, 1942, after serving for forty years on the faculty. The fund from the fellowships amounting to \$25,000 represents earnings since 1921 from the practical application of research under the supervision of Dr. Rettger.

Dr. Howard Reynolds has resigned his position at the University of Arkansas, Fayetteville, and is now at the Department of Bacteriology, Iowa State College, Ames.

Mr. William D. Rosenfeld has been employed at the Scripps Institution of Oceanography since August 17 as Research Assistant in Microbiology.

Lt. Thomas L. Snyder is at the 97th General Hospital, Fort Bragg, North Carolina. He was formerly at the Department of Preventive Medicine, N. Y. University College of Medicine.

Dr. S. Edward Sulkin resigned as Director of the Virus Laboratory, St. Louis Health Division and Instructor in Bacteriology, Washington University School of Medicine, and accepted a position as Associate Professor of Bacteriology, Southwestern Medical Foundation School of Medicine, Dallas, Texas.

Mr. Manuel S. Tarpinian, Director of Physicians Service Laboratory, Detroit, Michigan, is now a Lieutenant in the Sanitary Corps and stationed at O'Reilly General Hospital, Springfield, Missouri.

Capt. Walter C. Tobie, Sn.C., was appointed Chief of the Division of Chemistry and Physics of the Army Medical School, Washington, D. C.

Dr. J. M. Van Lanen resigned his position with Commercial Solvents Corporation, Terre Haute, Indiana, and is now at the Northern Regional Research Laboratory, Peoria, Illinois.

Dr. A. G. Wedum left the Cincinnati General Hospital to become associated with the Department of Bacteriology, Medical School, University of Colorado, Denver.

Mr. William H. Werling, formerly with Mead Johnson and Company, Zeeland, Michigan, is now Pfc., A.S.N., in the Medical Detachment, Keesler Field, Mississippi.

Dr. H. G. Wood resigned as research assistant at Iowa State College to accept a position in the Physiology Department of the University of Minnesota, Minneapolis.

Miss Edna H. Youngren of the Department of Bacteriology and Public Health, Washington State College, Pullman, is with the Oregon State Department of Agriculture.

IN MEMORIAM

Clarence N. Boynton
1888 - 1943

"With the death of Mr. Clarence N. Boynton on February 2, 1943 in Phoenix, Arizona, the Society lost one of its far-western, faithful members. He was born on April 29, 1888 at Branford, Connecticut. With a major in chemistry his B.A. degree was received from Clark University in 1910; his M.A. from Yale in 1911 with a major in bacteriology. While on the staff of Middlebury College, Vermont, as an instructor in chemistry, he developed tuberculosis and was sent by his doctors to a sanatorium in Phoenix. When his health permitted, his training in chemistry and bacteriology was utilized by Dr. W. W. Watkins in 1914 at the time of the establishment of the first clinical laboratory in Arizona. One of Mr. Boynton's first contributions to medical practice in this State was to perfect a technic for the administration of artificial pneumothorax and the first patients to be so treated received nitrogen from the apparatus he devised.

"For years, under Mr. Boynton's direction, the Pathological Laboratory served the City of Phoenix and Maricopa County as the laboratory for their respective health departments; specimens also were handled from many other parts of the State. He carried on for some years studies which dealt with complement fixation in tuberculosis. In 1922, when Dr. George C. Lake, U.S.P.H.S., was sent to the Salt River Valley to investigate one of the first epidemics of Brucellosis in the United States, he found an enthusiastic co-worker in Mr. Boynton and a well equipped laboratory in which to work. Their results were published in Jour. Am. Med. Assn., November 5, 1927. He always took an active part in the affairs of the Arizona Public Health Association which at one time he served as President. Throughout his thirty years of service he became a well known and honored figure in the fields of medicine and public health work in the Southwest."--Mary E. Caldwell

MISCELLANEOUS

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Write to the Secretary-Treasurer, W. C. Frazier, 310 Agricultural Hall, University of Wisconsin, Madison 6, Wisconsin, for the above mentioned items.

Following is a list of new members approved by the Council:

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Augenblick, Maurice L., 5722 Florence Avenue, Philadelphia 43, Pennsylvania
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Collins, Mary E., 1516, 15 Avenue, South, Birmingham 5, Alabama
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Ervin, Robert F., 122 South Ellsworth Place, South Bend, Indiana
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Galton, Mildred M., 207 River Hills Drive, Route 1, Box 451, S. Jacksonville 7, Fla.
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Hinchliffe, Malcolm C., 161 Sutton Street, Providence, Rhode Island
Hite, Katherine E., Dept. Bact. and Parasitology, Univ. of Chicago, Chicago 37, Ill.
Hoak, Carl, 517B West 14 Street, Lawrence, Kansas
Kincade, Valeri., 1515 Coast Boulevard, La Jolla, California
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Russell, Barbara E., 515 West 14 Street, Lawrence, Kansas
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Young, Leo, Fish and Wildlife Service, College Park, Maryland

